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- [54] **MULTI-COMPONENT ANTENNA AND METHOD THEREFOR**

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Related U.S. Application Data

- [63] Continuation of Ser. No. 389,513, Feb. 16, 1995, abandoned, which is a continuation-in-part of Ser. No. 306,784, Sep. 15, 1994, abandoned.
 - [51] **Int. Cl.⁶** **H04B 1/38**
 - [52] **U.S. Cl.** **455/575; 455/90; 455/129;**
455/351; 343/702; 343/793; 379/428
 - [58] **Field of Search** **455/90, 550, 566,**
455/569, 575, 128, 129, 95, 97, 344, 347,
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379/433, 428

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[57] ABSTRACT

A radio communication device a first housing portion (101) and second housing portion (103). The second housing portion is movably supported on the first housing portion to move between an extended position and a collapsed position. The second housing portion projects outwardly from the first housing portion in the open position. An antenna (107) is positioned in the second housing portion, the antenna includes a first component (640, 749, 859, 969) having a first tuning characteristic and a second component (647, 748, 858, 968) having a second tuning characteristic. One of the antenna components is tuned for a preferred characteristic when the radio telephone is collapsed and the other of the antenna components is tuned to the preferred characteristic when the antenna is extended.

16 Claims, 7 Drawing Sheets

